



ATTY. DOCKET NO.
LA0083 (NP)
APPLICATION NO.
10/726,076
APPLICANT
WANSHENG LIU
FILING DATE
DECEMBER 2, 2003

Group

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
KS	AA	3,656,939	4/18/72	Boehm et al.			
KS	AB	5,061,773	10/29/91	Panster et al.			
KS	AC	5,458,787	10/17/95	Rosin et al.			
KS	AD	5,695,882	12/9/97	Rosenberg			
KS	AE	5,997,748	12/7/99	Rosenberg et al.			
KS	AF	6,232,262	5/15/01	Sielcken et al.			
KS	AG	6,291,722	9/18/01	Li			
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
KS	AM	EP 0 028 392	2/16/83	EP			<input type="checkbox"/>	<input type="checkbox"/>
KS	AN	EP 0 285 218	12/21/94	EP			<input type="checkbox"/>	<input type="checkbox"/>
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KS	AQ	JP 52-126685	10/24/77	JP			<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

KS	AR	Agris, C.H. et al., "Inhibition of Vesicular Stomatitis Virus Protein Synthesis and Infection by Sequence-Specific Oligodeoxyribonucleoside Methylphosphonates", Biochemistry, Vol. 25, No. 20, pp. 6268-6275 (1986)
KS	AS	Anderson, N.G. et al., "Process Development of 5-Fluoro-3-[3-(4-(5-methoxy-4-pyrimidinyl)-1-piperazinyl]propyl]-1 <i>H</i> -indole Dihydrochloride", Organic Process Research & Development, Vol. 1, No. 4, pp. 300-310 (1997)
KS	AT	Baba, Y. et al., "Extraction Equilibria of Palladium(II) and Platinum(IV) with Di(2-ethylhexyl)aminophosphonic acid from Acidic Chloride Media", Solvent Extraction Research and Development, Japan, Vol. 2, pp. 93-101 (1995)

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FORM PTO-1449
(REV. 7-85)

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INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Sheet 2 of 5

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KS	2AA	JP 53-6296	1/20/78	JP			<input type="checkbox"/> <input type="checkbox"/>
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KS		Cazenave, C. et al., Chapter 3: "Antisense Oligonucleotides", Antisense Nucleic Acids and Proteins: Fundamentals and Applications, Marcel Dekker, Inc., publ., Mol, J.N.M. et al., eds., pp. 47-93 (1991)
	3AB	Chung, D.-Y. et al., "Formation of Palladium Precipitate by Hydrazine in a Simulated High Level Liquid Waste", Journal of Radioanalytical and Nuclear Chemistry, Articles, Vol. 204, No. 2, pp. 265-274 (1996)
	3AC	Collier, A.C. et al., "Combination therapy with zidovudine, didanosine and saquinavir", Antiviral Research, Vol. 29, p. 99 (1996)
	3AD	Crooke, R.M., "In vitro toxicology and pharmacokinetics of antisense oligonucleotides", Anti-Cancer Drug Design, Vol. 6, pp. 609-646 (1991)
	3AE	De Mesmaeker, A. et al., "Antisense Oligonucleotides", Acc. Chem. Res., Vol. 28, pp. 366-374 (1995)
	3AF	Diels, L. et al., "The use of bacteria immobilized in tubular membrane reactors for heavy metal recovery and degradation of chlorinated aromatics", Journal of Membrane Science, Vol. 100, pp. 249-258 (1995)
	3AG	Foersterling, H.-U., "Investigations of the Adsorption of Palladium on Carbonaceous Adsorbents Modified with Dimethylglyoxime — I. The Adsorption of Dimethylglyoxime on Selected Carbonaceous Adsorbents", Carbon, Vol. 28, No. 1, pp. 27-34 (1990)
	3AH	Ghosh, A.K. et al., "Nonpeptidal P ₂ Ligands for HIV Protease Inhibitors: Structure-Based Design, Synthesis, and Biological Evaluation", J. Med. Chem., Vol. 39, No. 17, pp. 3278-3290 (1996)
	3AI	Hodgson, C.P., "The Vector Void in Gene Therapy: Can viral vectors and transfection be combined to permit safe, efficacious, and targeted gene therapy?", Bio/Technology, Vol. 13, pp. 222-225 (1995)
	3AJ	Ishihara, K. et al., "Removal of Palladium(II) from Aqueous and Organic Solutions by Polystyrene-bound Trimercaptotriazine", Chemistry Letters, pp. 1218-1219 (2000)
	3AK	Jiang, L. et al., "Study on the Extraction Separation of Rh from Pt, Pd, Ir by Radiotracer Method — Purification of Rh", He Huaxue Yu Fangshe Huaxue (Journal of Nuclear and Radiochemistry), Vol. 8, No. 2, pp. 108-112 (1986) (with English abstract)
	3AL	Kabanov, A.V. et al., "A new class of antivirals: antisense oligonucleotides combined with a hydrophobic substituent effectively inhibit influenza virus reproduction and synthesis of virus-specific proteins in MDCK cells", FEBS Letters, Vol. 259, No. 2, pp. 327-330 (1990)
	3AM	Kabanov, A.V. et al., "New approaches to targeting bioactive compounds", Journal of Controlled Release, Vol. 28, pp. 15-35 (1994)
KS	3AN	Makita, Y. et al., "Single-pole electrolysis cell and electrolysis using this cell", Chemical Abstracts, Vol. 115, No. 17573e, pp. 599-600 (1991)

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KS	4AA	Maryanoff, C.A. et al., Chapter 18: "Catalysis from the Perspective of an Organic Chemist: Common Problems and Possible Solutions", Catalysis of Organic Reactions, Marcel Dekker, Inc., publ., Rylander, P.N. et al., eds., pp. 359-379 (1988)
	4AB	Masri, M.S. et al., "Chemical Modification of Insoluble Polymers for Certain End Uses", Polymer Preprints: Papers presented at Chicago meeting, Division of Polymer Chemistry, Inc., American Chemical Society, Vol. 16, No. 2, pp. 70-75 (1975)
	4AC	Milligan, J.F. et al., "Development of Antisense Therapeutics: Implications for Cancer Gene Therapy", Gene Therapy for Neoplastic Diseases, Annals of the New York Academy of Sciences, Vol. 716, The New York Academy of Sciences, New York, NY, publ., Huber, B.E. et al., eds., pp. 228-241 (1994)
	4AD	Mimura, H. et al., "Selective Separation of Palladium by Insoluble Ferrocyanide-Alginate Composites", Tohoku Daigaku Sozai Kogaku Kenkyusho Iho, Vol. 56, pp. 1-8 (2000) (with English abstract)
	4AE	Nogami, M. et al., "Ion-Exchange Selectivity of Tertiary Pyridine-Type Anion-Exchange Resin for Treatment of Spent Nuclear Fuels", Nuclear Technology, Vol. 115, pp. 293-297 (1996)
	4AF	Pearson, R.G., "Hard and Soft Acids and Bases", Journal of the Americal Chemical Society, Vol. 85, No. 22, pp. 3533-3539 (1963)
	4AG	Pearson, R.G., "Hard and Soft Acids and Bases, HSAB, Part I: Fundamental principles", Journal of Chemical Education, Vol. 45, No. 9, pp. 581-587 (1968)
	4AH	Pearson, R. G., "Hard and Soft Acids and Bases", Copyright 1973, Dowden, Hutchinson & Ross, Inc., Strousburg, Pennsylvania.
	4AI	Radová, Z. et al., "Sorption of Pd(II) from Aqueous Solutions of Chlorocomplexes by the Copolymer of Glycidylmethacrylate and Ethylenedimethacrylate Modified with Ethylenediamine. The Structure of Complexes", Die Angewandte Makromolekulare Chemie, Vol. 81, pp. 55-62 (1979)
	4AJ	Raskin, I. et al., "Method for removing soluble metals from an aqueous phase", Chemical Abstracts, Vol. 122, No. 169223y, p. 586 (1995)
	4AK	Rosso, V.W. et al., "Removal of Palladium from Organic Reaction Mixtures by Trimercaptotriazine", Organic Process Research & Development, Vol. 1, No. 4, pp. 311-314 (1997)
	4AL	Shukla, J.P. et al., "Selective Solvent Extraction of Palladium (II) with Thiacrowns from Aqueous Chloride/Nitrate Reprocessing Waste Solutions", Nuclear Science Journal, Vol. 33, No. 1, pp. 39-51 (1996)
	4AM	Stull, R.A. et al., "Antigene, Ribozyme and Aptamer Nucleic Acid Drugs: Progress and Prospects", Pharmaceutical Research, Vol. 12, No. 4, pp. 465-483 (1995)
KS	4AN	Suyama, K. et al., "A New Biomaterial, Hen Egg Shell Membrane, to Eliminate Heavy Metal Ion from Their Dilute Waste Solution", Applied Biochemistry and Biotechnology, Vol. 45/56, pp. 871-879 (1994)

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KS	5AA	Suyama, K. et al., "Biosportion of Precious Metal Ions by Chicken Feather", Applied Biochemistry and Biotechnology, Vol. 57/58, pp. 67-74 (1996)
KS	5AB	Wei, Y.-Z. et al., "Adsorption and Elution Behavior of Platinum-Group Metals in Nitric Acid Medium", Ion Exchange Developments and Applications, Vol. 182, pp. 174-181 (1996)
KS	5AC	Wen, D. et al., "Study on magnetic chelating resin. II. Preparation of PSE2 and its adsorption properties to metal ions", Chemical Abstracts, Vol. 123, No. 341826f, p. 66 (1995).
KS	5AD	Yordanov, A.T. et al., "Solvent extraction of divalent palladium and platinum from aqueous solutions of their chloro complexes using an N,N-dimethylthiocarbamoylethoxy substituted calix[4]arene", Inorganica Chimica Acta, Vol. 240, pp. 441-446 (1995)
KS	AE	Zuo, G. et al., "Extraction of Noble Metals by Sulfur-Containing Reagents and Solvent Impregnated Resins", Solvent Extraction and Ion Exchange, Vol. 13, No. 5, pp. 879-899 (1995)
KS	AF	De, A. K., "Solvent Extraction of Metals", Van Nostrand Reinhold Company Ltd., New York, 1970.
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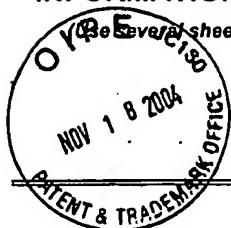
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Sheet 1 of 1

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KS	AA	4,664,700	5/12/87	Alexandratos			
KS	AB	4,952,321	8/28/90	Bradshaw et al.			
	AC						
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